

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for maintaining the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the method comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, ~~the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, wherein the nexus and different operating system share a window manager;~~

~~storing an image of at least one~~ displaying a graphical user interface element of said ~~nexus~~ secured execution environment, said ~~at least one nexus~~ graphical user interface element being associated with a first process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the graphical user interface element is maintained by the second execution environment. ~~;~~ and
~~displaying said a nexus graphical user interface element on said display, such that no part of said nexus graphical user interface element is obscured by a graphical user interface element associated with said different operating system of said second execution environment on said display.~~

2. (Currently Amended) The method of claim 1, wherein displaying said ~~nexus~~ graphical user interface element comprises:

ensuring that said ~~nexus~~ graphical user interface element contains no areas of transparency.

3. (Currently Amended) The method of claim 1, wherein displaying said ~~nexus~~ graphical user interface element on a display comprises displaying said ~~nexus~~ graphical user interface element such that no part of said ~~nexus~~ graphical user interface element is obscured by

a graphical user interface element associated with a second process running on said secured execution environment.

4. (Original) The method of claim 1, further comprising:
displaying only said graphical user interface elements on said display upon receipt of a user secure display indication.

5. (Currently Amended) A method for maintaining the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the method comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, ~~the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, wherein the nexus and different operating system share a window manager;~~

storing a ~~nexus~~-user secret associated with said ~~nexus~~ ~~of said~~ secured execution environment; and

displaying a graphical user interface element of said ~~nexus~~ secured execution environment comprising said ~~nexus~~-user secret on said display, where said ~~nexus~~ graphical user interface element is associated with a process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the graphical user interface element is maintained by the second execution environment.

6. (Previously Presented) The method of claim 5, wherein displaying a nexus graphical user interface element comprising said nexus-user secret on a display comprises:
accepting a user nexus-user secret display indication; and
displaying said nexus-user secret.

7. (Currently Amended) A method for maintaining the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the method comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, ~~wherein the nexus and different operating system share a window manager;~~

accepting at least two graphical data elements of said nexus, each associated with a process running on said secured execution environment, for display on said display; and

displaying at least two graphical user interface elements of said nexus, each of said nexus graphical user interface elements comprising one of said nexus graphical data elements and a common graphical user interface decoration, wherein for each of the at least two nexus graphical user interface elements the second execution environment maintains a corresponding shadow graphical user interface element.

8. (Original) The method of claim 7, where said common graphical user interface decoration comprises a colored border.

9. (Original) The method of claim 7, where said common graphical user interface decoration comprises one or more randomly selected images.

10. (Original) The method of claim 7, further comprising:
changing said common graphical user interface decoration when a set time period elapses.

11. (Original) The method of claim 7, further comprising:
changing said common graphical user interface decoration when a user decoration change indication is received.

12. (Currently Amended) A method for maintaining the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the method comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, ~~wherein the nexus and different operating system share a window manager;~~

storing public title information and private title information for a graphical user interface element of said nexus, the nexus graphical user interface element being associated with a process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the nexus graphical user interface element is maintained by the second execution environment;

using said private title information for window management functions on said secured execution environment when displaying said nexus graphical user interface element; and
providing said public title information for use in said second execution environment.

13. (Currently Amended) The method of claim 12, the ~~window manager~~ second execution environment comprising a host window manager, ~~where said second execution environment includes said host window manager~~ for managing graphical user interface elements on said display, where said host window manager creates [[a]] the shadow graphical user interface element for said nexus graphical user interface element, and where said public title is used by said host window manager.

14. (Original) The method of claim 12, further comprising:
displaying each of said nexus graphical user interface element on said display completely on a display, such that no part of said nexus graphical user interface element is obscured by a graphical user interface element associated with said second execution environment on said

display, where each of said nexus graphical user interface elements comprises a common graphical user interface decoration.

storing a nexus-user secret associated with said secured execution environment; and
displaying a nexus-user secret graphical user interface element comprising said nexus-user secret on said display.

15. (Currently Amended) A computer-readable storage medium containing computer executable instructions to maintain the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the computer-executable instructions to perform acts comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, ~~the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, wherein the nexus and different operating system share a window manager;~~

~~storing an image of at least one~~ displaying a graphical user interface element of said ~~nexus~~ secured execution environment, said ~~at least one nexus~~ graphical user interface element being associated with a first process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the graphical user interface element is maintained by the second execution environment. ; ~~and~~

~~displaying said a nexus graphical user interface element on said display, such that no part of said nexus graphical user interface element is obscured by a graphical user interface element associated with said different operating system of said second execution environment on said display.~~

16. (Currently Amended) The computer-readable storage medium of claim 15, where said act of displaying said ~~nexus~~ graphical user interface element comprises:

ensuring that said ~~nexus~~ graphical user interface element contains no areas of transparency.

17. (Currently Amended) The computer-readable storage medium of claim 15, where said act of displaying said ~~nexus~~ graphical user interface element on a display comprises displaying said ~~nexus~~ graphical user interface element such that no part of said ~~nexus~~ graphical user interface element is obscured by a graphical user interface element associated with a second process running on said secured execution environment.

18. (Previously Presented) The computer-readable storage medium of claim 15, wherein the computer-executable instructions are adapted to perform acts further comprising:
displaying only said graphical user interface elements on said display upon receipt of a user secure display indication.

19. (Currently Amended) A computer-readable storage medium containing computer executable instructions to maintain the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the computer-executable instructions to perform acts comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, ~~the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, wherein the nexus and different operating system share a window manager;~~

storing a ~~nexus~~-user secret associated with said ~~nexus~~ of said secured execution environment; and

displaying a graphical user interface element of said ~~nexus~~ secured execution environment comprising said ~~nexus~~-user secret on said display, where said ~~nexus~~ graphical user interface element is associated with a process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the graphical user interface element is maintained by the second execution environment.

20. (Previously Presented) The computer-readable storage medium of claim 19, where said act of displaying a nexus graphical user interface element comprising said nexus-user secret on a display comprises:

accepting a user nexus-user secret display indication; and
displaying said nexus-user secret.

21. (Currently Amended) A computer-readable storage medium containing computer executable instructions to maintain the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the computer-executable instructions to perform acts comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, ~~wherein the nexus and different operating system share a window manager;~~

accepting at least two graphical data elements of said nexus, each associated with a process running on said secured execution environment, for display on said display; and

displaying at least two graphical user interface elements of said nexus, each of said nexus graphical user interface elements comprising one of said nexus graphical data elements and a common graphical user interface decoration, wherein for each of the at least two nexus graphical user interface elements the second execution environment maintains a corresponding shadow graphical user interface element.

22. (Previously Presented) The computer-readable storage medium of claim 21, where said common graphical user interface decoration comprises a colored border.

23. (Previously Presented) The computer-readable storage medium of claim 21, where said common graphical user interface decoration comprises one or more randomly selected images.

24. (Previously Presented) The computer-readable storage medium of claim 21, wherein the computer-executable instructions are adapted to perform acts further comprising:
changing said common graphical user interface decoration when a set time period elapses.

25. (Previously Presented) The computer-readable storage medium of claim 21, wherein the computer-executable instructions are adapted to perform acts further comprising:
changing said common graphical user interface decoration when a user decoration change indication is received.

26. (Currently Amended) A computer-readable storage medium containing computer executable instructions to maintain the security of data displayed on a display for a computing system ~~single computer~~ comprising a secured execution environment and a second execution environment, the computer-executable instructions to perform acts comprising:

operating, on the computing system ~~single computer~~, the second execution environment concurrently with the secured execution environment, the secured execution environment comprising a nexus and the second execution environment comprising a different operating system, ~~wherein the nexus and different operating system share a window manager;~~

storing public title information and a private title information for a graphical user interface element of said nexus, the nexus graphical user interface element being associated with a process running on said secured execution environment, wherein a shadow graphical user interface element corresponding to the nexus graphical user interface element is maintained by the second execution environment;

using said private title information for window management functions on said secured execution environment when displaying said nexus graphical user interface element; and
providing said public title information for use in said second execution environment.

27. (Currently Amended) The computer-readable storage medium of claim 26, the ~~window manager~~ second execution environment comprising a host window manager, ~~where said second execution environment includes said host window manager~~ for managing graphical user interface elements on said display, where said host window manager creates ~~[[a]]~~ the shadow graphical user interface element for said nexus graphical user interface element, and where said public title is used by said host window manager.

28. (Previously Presented) The computer-readable storage medium of claim 26, wherein the computer-executable instructions are adapted to perform acts further comprising:
displaying said nexus graphical user interface element on said display, such that no part of said nexus graphical user interface element is obscured by a graphical user interface element associated with said second execution environment on said display, where said nexus graphical user interface element comprises a common graphical user interface decoration;
storing a nexus-user secret associated with said secured execution environment; and
displaying a nexus-user secret graphical user interface element comprising said nexus-user secret on said display.

29. (Currently Amended) A computing system ~~single computer~~ for maintaining the security of data displayed on a display, the computing system ~~single computer~~ comprising:
a secured execution environment and a second execution environment operating concurrently on the computing system ~~single computer~~, the secured execution environment comprising a nexus and the second execution environment comprising a different operating system;
first storage in said secured execution environment for storing private title information for a graphical user interface element of said nexus, the nexus graphical user interface element being associated with a process running on said secured execution environment, and a nexus-user secret associated with said secured execution environment, wherein a shadow graphical user

interface element corresponding to the nexus graphical user interface element is maintained by the second execution environment;

second storage in said second execution environment for storing public title information for said nexus graphical user interface element; and

a trusted window manager for displaying said nexus graphical user interface element on said display, such that no part of said nexus graphical user interface element is obscured by a graphical user interface element associated with said second execution environment on said display, where said nexus graphical user interface element comprises a common graphical user interface decoration and said private title information, ~~wherein the nexus and different operating system share the trusted window manager.~~

30. (Currently Amended) The computing system ~~single computer~~ of claim 29, where said trusted window manager displays a nexus-user secret graphical user interface element comprising said nexus-user secret on said display.